

## chain nodes :

9 16 17 18 25 26 27 40 41 42 63 64 65 76 77 78 79 80 81 82 83 84  
85 86

## ring nodes :

1 2 3 4 5 6 7 8 10 11 12 13 14 15 19 20 21 22 23 24 28 29 30 31  
32 33 34 35 36 37 38 39 43 44 45 46 47 48 49 50 51 52 53 54 55 56  
57 58 59 60 61 62 66 67 68 69 70 71 72 73 74 75

## chain bonds :

4-9 9-10 12-41 13-17 14-18 15-16 16-19 21-25 22-26 23-27 30-40 35-79 41-42  
42-84 43-83 45-82 50-64 52-63 54-65 61-81, 67-80 70-78 73-77 75-76 84-85  
84-86

## ring bonds :

1-2 1-6 1-68 2-3 3-4 3-8 4-5 5-6 5-7 7-29 8-28 10-11 10-15 11-12 12-13  
13-14 14-15 19-20 19-24 20-21 21-22 22-23 23-24 28-30 28-34 29-35 29-39  
30-31 31-32 32-33 32-43 33-34 35-36 36-37 37-38 37-75 38-39 43-44 44-45  
44-62 45-46 46-47 47-48 48-49 48-53 49-50 49-55 50-51 51-52 52-53 54-55  
54-59 55-56 56-57 57-58 57-60 58-59 60-61 60-66 61-62 66-67 67-68 68-69  
69-70 70-71 71-72 72-73 73-74 74-75

## exact/norm bonds :

1-68 3-8 4-9 5-7 7-29 8-28 9-10 10-11 10-15 11-12 12-13 13-14 13-17 14-15  
14-18 15-16 16-19 19-20 19-24 20-21 21-22 22-23 22-26 23-24 23-27 32-43  
37-75 41-42 42-84 43-44 43-83 44-45 44-62 45-46 45-82 46-47 47-48 49-55  
50-64 52-63 54-65 57-60 60-61 60-66 61-62 61-81 66-67 67-68 67-80 68-69  
69-70 70-71 70-78 71-72 72-73 73-74 73-77 74-75 75-76 84-85 84-86

## exact bonds :

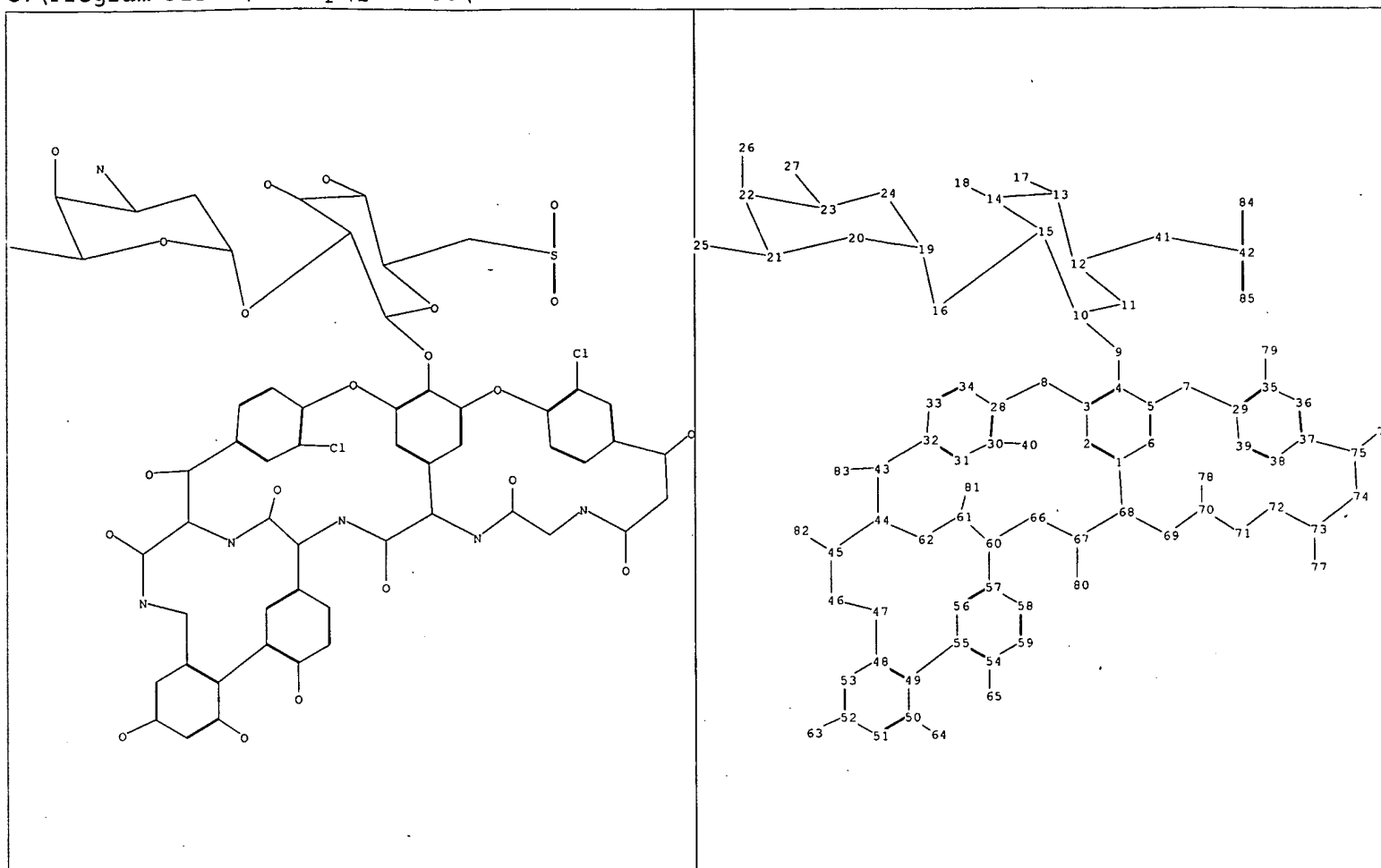
12-41 21-25 30-40 35-79

## normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 28-30 28-34 29-35 29-39 30-31 31-32 32-33 33-34  
35-36 36-37 37-38 38-39 48-49 48-53 49-50 50-51 51-52 52-53 54-55 54-59  
55-56 56-57 57-58 58-59

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:Atom  
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS 27:CLASS 28:Atom  
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom  
39:Atom 40:CLASS 41:CLASS 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom  
48:Atom 49:Atom 50:Atom 51:Atom 52:Atom 53:Atom 54:Atom 55:Atom 56:Atom 57:Atom  
58:Atom 59:Atom 60:Atom 61:Atom 62:Atom 63:CLASS 64:CLASS 65:CLASS 66:Atom  
67:Atom 68:Atom 69:Atom 70:Atom 71:Atom 72:Atom 73:Atom 74:Atom 75:Atom  
76:CLASS 77:CLASS 78:CLASS 79:CLASS 80:CLASS 81:CLASS 82:CLASS 83:CLASS 84:CLASS  
85:CLASS 86:CLASS



## chain nodes :

9 16 17 18 25 26 27 40 41 42 63 64 65 76 77 78 79 80 81 82 83 84  
85

## ring nodes :

1 2 3 4 5 6 7 8 10 11 12 13 14 15 19 20 21 22 23 24 28 29 30 31  
32 33 34 35 36 37 38 39 43 44 45 46 47 48 49 50 51 52 53 54 55 56  
57 58 59 60 61 62 66 67 68 69 70 71 72 73 74 75

## chain bonds :

4-9 9-10 12-41 13-17 14-18 15-16 16-19 21-25 22-26 23-27 30-40 35-79 41-42  
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1-2 1-6 1-68 2-3 3-4 3-8 4-5 5-6 5-7 7-29 8-28 10-11 10-15 11-12 12-13  
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30-31 31-32 32-33 32-43 33-34 35-36 36-37 37-38 37-75 38-39 43-44 44-45  
44-62 45-46 46-47 47-48 48-49 48-53 49-50 49-55 50-51 51-52 52-53 54-55  
54-59 55-56 56-57 57-58 57-60 58-59 60-61 60-66 61-62 66-67 67-68 68-69  
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1-68 3-8 4-9 5-7 7-29 8-28 9-10 10-11 10-15 11-12 12-13 13-14 13-17 14-15  
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## exact bonds :

12-41 21-25 30-40 35-79

## normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 28-30 28-34 29-35 29-39 30-31 31-32 32-33 33-34  
35-36

36-37 37-38 38-39 48-49 48-53 49-50 50-51 51-52 52-53 54-55 54-59  
55-56 56-57 57-58 58-59

Match level :

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20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS 27:CLASS 28:Atom  
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom  
39:Atom 40:CLASS 41:CLASS 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom  
48:Atom 49:Atom 50:Atom 51:Atom 52:Atom 53:Atom 54:Atom 55:Atom 56:Atom 57:Atom  
58:Atom 59:Atom 60:Atom 61:Atom 62:Atom 63:CLASS 64:CLASS 65:CLASS 66:Atom  
67:Atom 68:Atom 69:Atom 70:Atom 71:Atom 72:Atom 73:Atom 74:Atom 75:Atom  
76:CLASS 77:CLASS 78:CLASS 79:CLASS 80:CLASS 81:CLASS 82:CLASS 83:CLASS 84:CLASS  
85:CLASS

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptafl1600

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 DEC 18 CA/CAPLUS pre-1967 chemical substance index entries enhanced  
with preparation role  
NEWS 4 DEC 18 CA/CAPLUS patent kind codes updated  
NEWS 5 DEC 18 MARPAT to CA/CAPLUS accession number crossover limit increased  
to 50,000  
NEWS 6 DEC 18 MEDLINE updated in preparation for 2007 reload  
NEWS 7 DEC 27 CA/CAPLUS enhanced with more pre-1907 records  
NEWS 8 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals  
NEWS 9 JAN 16 CA/CAPLUS Company Name Thesaurus enhanced and reloaded  
NEWS 10 JAN 16 IPC version 2007.01 thesaurus available on STN  
NEWS 11 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data  
NEWS 12 JAN 22 CA/CAPLUS updated with revised CAS roles  
NEWS 13 JAN 22 CA/CAPLUS enhanced with patent applications from India  
NEWS 14 JAN 29 PHAR reloaded with new search and display fields  
NEWS 15 JAN 29 CAS Registry Number crossover limit increased to 300,000 in  
multiple databases  
NEWS 16 FEB 15 PATDPASPC enhanced with Drug Approval numbers  
NEWS 17 FEB 15 RUSSIAPAT enhanced with pre-1994 records  
NEWS 18 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality  
NEWS 19 FEB 26 MEDLINE reloaded with enhancements  
NEWS 20 FEB 26 EMBASE enhanced with Clinical Trial Number field  
NEWS 21 FEB 26 TOXCENTER enhanced with reloaded MEDLINE  
NEWS 22 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements  
NEWS 23 FEB 26 CAS Registry Number crossover limit increased from 10,000  
to 300,000 in multiple databases  
NEWS 24 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format  
NEWS 25 MAR 16 CASREACT coverage extended  
NEWS 26 MAR 20 MARPAT now updated daily  
NEWS 27 MAR 22 LWPI reloaded  
NEWS 28 MAR 30 RDISCLOSURE reloaded with enhancements  
NEWS 29 MAR 30 INPADOCDB will replace INPADOC on STN  
NEWS 30 APR 02 JICST-EPLUS removed from database clusters and STN  
  
NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.  
  
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NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:55:45 ON 12 APR 2007

|                      |            |         |
|----------------------|------------|---------|
| => file registry     |            |         |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL   |
|                      | ENTRY      | SESSION |
| FULL ESTIMATED COST  | 0.21       | 0.21    |

FILE 'REGISTRY' ENTERED AT 15:55:53 ON 12 APR 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 11 APR 2007 HIGHEST RN 929721-97-1  
DICTIONARY FILE UPDATES: 11 APR 2007 HIGHEST RN 929721-97-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

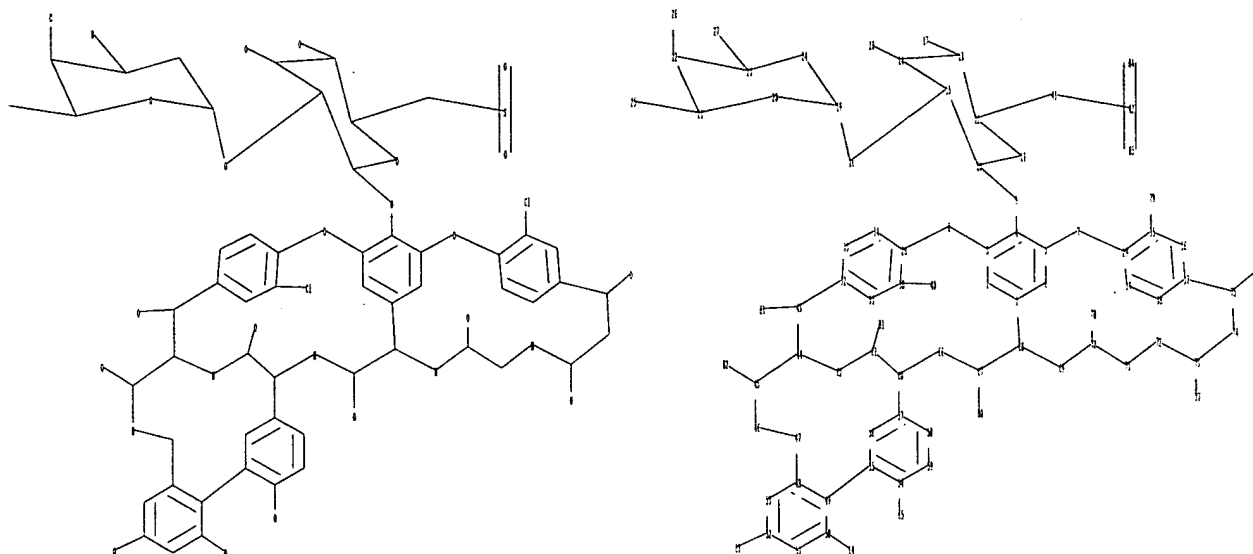
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10-676-391-01.str



chain nodes :

9 16 17 18 25 26 27 40 41 42 63 64 65 76 77 78 79 80 81 82 83  
84 85

ring nodes :

1 2 3 4 5 6 7 8 10 11 12 13 14 15 19 20 21 22 23 24 28 29 30  
31 32 33 34 35 36 37 38 39 43 44 45 46 47 48 49 50 51 52 53 54  
55 56 57 58 59 60 61 62 66 67 68 69 70 71 72 73 74 75

chain bonds :

4-9 9-10 12-41 13-17 14-18 15-16 16-19 21-25 22-26 23-27 30-40 35-79  
41-42 42-84 42-85 43-83 45-82 50-64 52-63 54-65 61-81 67-80 70-78 73-77  
75-76

ring bonds :

1-2 1-6 1-68 2-3 3-4 3-8 4-5 5-6 5-7 7-29 8-28 10-11 10-15 11-12  
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44-45 44-62 45-46 46-47 47-48 48-49 48-53 49-50 49-55 50-51 51-52 52-53  
54-55 54-59 55-56 56-57 57-58 57-60 58-59 60-61 60-66 61-62 66-67 67-68  
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exact/norm bonds :

1-68 3-8 4-9 5-7 7-29 8-28 9-10 10-11 10-15 11-12 12-13 13-14 13-17  
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exact bonds :

12-41 21-25 30-40 35-79

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 28-30 28-34 29-35 29-39 30-31 31-32 32-33  
33-34 35-36 36-37 37-38 38-39 48-49 48-53 49-50 50-51 51-52 52-53 54-55  
54-59 55-56 56-57 57-58 58-59

Match level :

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29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom  
38:Atom 39:Atom 40:CLASS 41:CLASS 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom  
47:Atom 48:Atom 49:Atom 50:Atom 51:Atom 52:Atom 53:Atom 54:Atom 55:Atom  
56:Atom 57:Atom 58:Atom 59:Atom 60:Atom 61:Atom 62:Atom 63:CLASS 64:CLASS  
65:CLASS 66:Atom 67:Atom 68:Atom 69:Atom 70:Atom 71:Atom 72:Atom 73:Atom  
74:Atom 75:Atom 76:CLASS 77:CLASS 78:CLASS 79:CLASS 80:CLASS 81:CLASS  
82:CLASS 83:CLASS 84:CLASS 85:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 15:56:28 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss ful

FULL SEARCH INITIATED 15:56:35 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 20 TO ITERATE

100.0% PROCESSED 20 ITERATIONS

0 ANSWERS

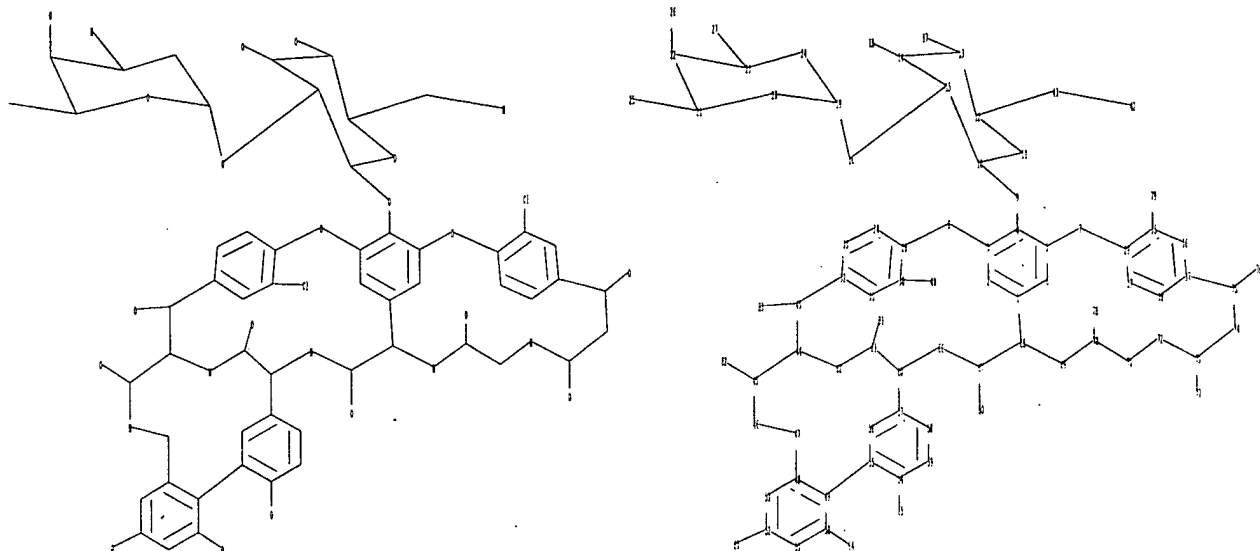
SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=>

Uploading C:\Program Files\Stnexp\Queries\vancomycin core #3.str





chain nodes :

9 16 17 18 25 26 27 40 41 42 63 64 65 76 77 78 79 80 81 82 83

ring nodes :

1 2 3 4 5 6 7 8 10 11 12 13 14 15 19 20 21 22 23 24 28 29 30  
31 32 33 34 35 36 37 38 39 43 44 45 46 47 48 49 50 51 52 53 54  
55 56 57 58 59 60 61 62 66 67 68 69 70 71 72 73 74 75

chain bonds :

4-9 9-10 12-41 13-17 14-18 15-16 16-19 21-25 22-26 23-27 30-40 35-79  
41-42 43-83 45-82 50-64 52-63 54-65 61-81 67-80 70-78 73-77 75-76

ring bonds :

1-2 1-6 1-68 2-3 3-4 3-8 4-5 5-6 5-7 7-29 8-28 10-11 10-15 11-12  
12-13 13-14 14-15 19-20 19-24 20-21 21-22 22-23 23-24 28-30 28-34 29-35  
29-39 30-31 31-32 32-33 32-43 33-34 35-36 36-37 37-38 37-75 38-39 43-44  
44-45 44-62 45-46 46-47 47-48 48-49 48-53 49-50 49-55 50-51 51-52 52-53  
54-55 54-59 55-56 56-57 57-58 57-60 58-59 60-61 60-66 61-62 61-81 66-67 67-68 67-80 68-69  
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exact/norm bonds :

1-68 3-8 4-9 5-7 7-29 8-28 9-10 10-11 10-15 11-12 12-13 13-14 13-17  
14-15 14-18 15-16 16-19 19-20 19-24 20-21 21-22 22-23 22-26 23-24 23-27  
32-43 37-75 41-42 43-44 43-83 44-45 44-62 45-46 45-82 46-47 47-48 49-55  
50-64 52-63 54-65 57-60 60-61 60-66 61-62 61-81 66-67 67-68 67-80 68-69  
69-70 70-71 70-78 71-72 72-73 73-74 73-77 74-75 75-76

exact bonds :

12-41 21-25 30-40 35-79

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 28-30 28-34 29-35 29-39 30-31 31-32 32-33  
33-34 35-36 36-37 37-38 38-39 48-49 48-53 49-50 50-51 51-52 52-53 54-55  
54-59 55-56 56-57 57-58 58-59

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:Atom  
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:CLASS 27:CLASS 28:Atom  
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom  
38:Atom 39:Atom 40:CLASS 41:CLASS 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom  
47:Atom 48:Atom 49:Atom 50:Atom 51:Atom 52:Atom 53:Atom 54:Atom 55:Atom

L4           STRUCTURE UPLOADED

=> d l4

L4 HAS NO ANSWERS

L4           STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l4 sss sam

SAMPLE SEARCH INITIATED 15:57:32 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 53 TO ITERATE

100.0% PROCESSED           53 ITERATIONS

12 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   \*\*COMPLETE\*\*

BATCH   \*\*COMPLETE\*\*

PROJECTED ITERATIONS:           624 TO   1496

PROJECTED ANSWERS:           33 TO   447

L5           12 SEA SSS SAM L4

=> d his

(FILE 'HOME' ENTERED AT 15:55:45 ON 12 APR 2007)

FILE 'REGISTRY' ENTERED AT 15:55:53 ON 12 APR 2007

L1           STRUCTURE UPLOADED

L2           0 S L1 SSS SAM

L3           0 S L1 SSS FUL

L4           STRUCTURE UPLOADED

L5           12 S L4 SSS SAM

=> log hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

173.00

173.21

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 15:57:55 ON 12 APR 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptafx11600

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*

SESSION RESUMED IN FILE 'REGISTRY' AT 16:00:38 ON 12 APR 2007

FILE 'REGISTRY' ENTERED AT 16:00:38 ON 12 APR 2007

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

173.00

173.21

=> d his

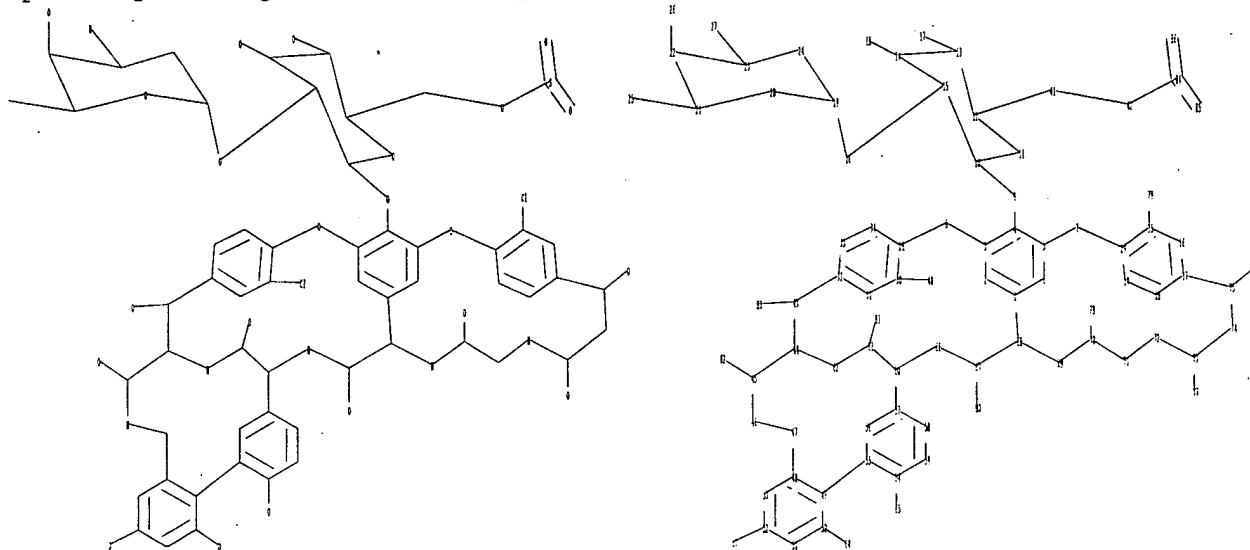
(FILE 'HOME' ENTERED AT 15:55:45 ON 12 APR 2007)

FILE 'REGISTRY' ENTERED AT 15:55:53 ON 12 APR 2007

L1 STRUCTURE UPLOADED  
L2 0 S L1 SSS SAM  
L3 0 S L1 SSS FUL  
L4 STRUCTURE UPLOADED  
L5 12 S L4 SSS SAM

=>

Uploading C:\Program Files\Stnexp\Queries\10-676-391-02.str



chain nodes :

9 16 17 18 25 26 27 40 41 42 63 64 65 76 77 78 79 80 81 82 83  
84 85 86

ring nodes :

1 2 3 4 5 6 7 8 10 11 12 13 14 15 19 20 21 22 23 24 28 29 30  
31 32 33 34 35 36 37 38 39 43 44 45 46 47 48 49 50 51 52 53 54  
55 56 57 58 59 60 61 62 66 67 68 69 70 71 72 73 74 75

chain bonds :

4-9 9-10 12-41 13-17 14-18 15-16 16-19 21-25 22-26 23-27 30-40 35-79  
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ring bonds :

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exact/norm bonds :

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 14-15 14-18 15-16 16-19 19-20 19-24 20-21 21-22 22-23 22-26 23-24 23-27  
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 normalized bonds :  
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 47:Atom 48:Atom 49:Atom 50:Atom 51:Atom 52:Atom 53:Atom 54:Atom 55:Atom  
 56:Atom 57:Atom 58:Atom 59:Atom 60:Atom 61:Atom 62:Atom 63:CLASS 64:CLASS  
 65:CLASS 66:Atom 67:Atom 68:Atom 69:Atom 70:Atom 71:Atom 72:Atom 73:Atom  
 74:Atom 75:Atom 76:CLASS 77:CLASS 78:CLASS 79:CLASS 80:CLASS 81:CLASS  
 82:CLASS 83:CLASS 84:CLASS 85:CLASS 86:CLASS

L6 STRUCTURE UPLOADED

=> d l6

L6 HAS NO ANSWERS

L6 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l6 sss sam

SAMPLE SEARCH INITIATED 16:02:04 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L7 0 SEA SSS SAM L6

=> s l6 sss ful

FULL SEARCH INITIATED 16:02:13 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 20 TO ITERATE

100.0% PROCESSED 20 ITERATIONS

13 ANSWERS

SEARCH TIME: 00.00.01

L8 13 SEA SSS FUL L6

=> d l8 1-13

L8 ANSWER 1 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN

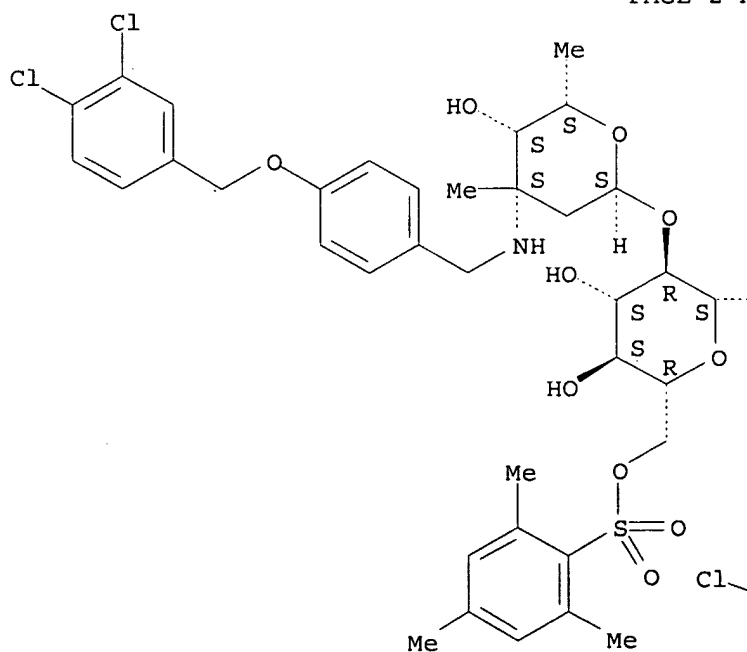
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 ED Entered STN: 17 Nov 2001  
 CN Vancomycin, N3'''-[[4-[(3,4-dichlorophenyl)methoxy]phenyl]methyl]-,  
 6'-(2,4,6-trimethylbenzenesulfonate) (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C89 H95 Cl4 N9 O27 S  
 SR CA  
 LC STN Files: CA, CAPLUS, USPAT2

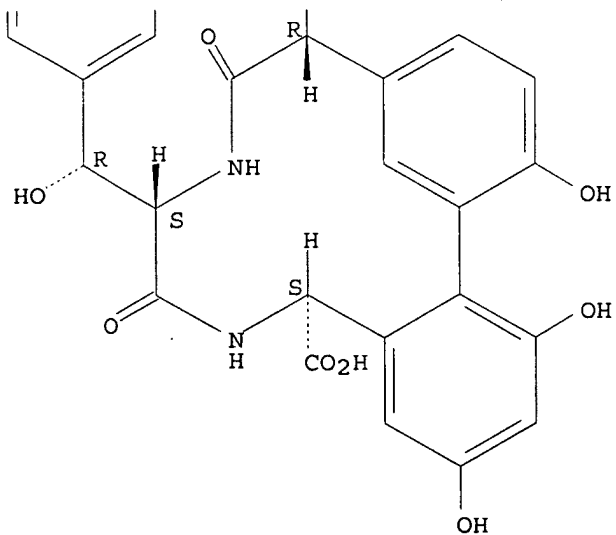
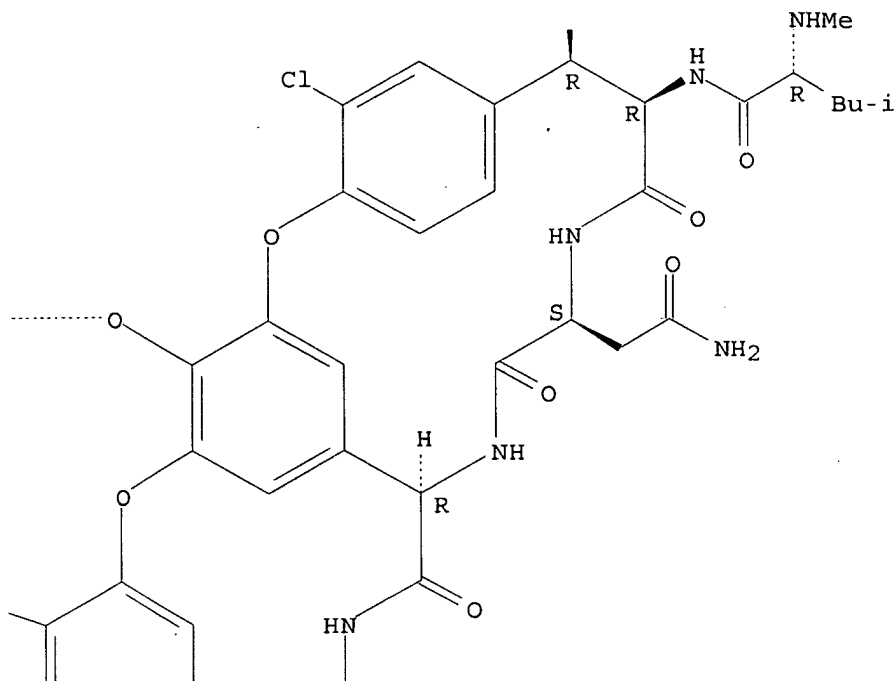
Absolute stereochemistry.

PAGE 1-B

OH  
□

PAGE 2-A





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

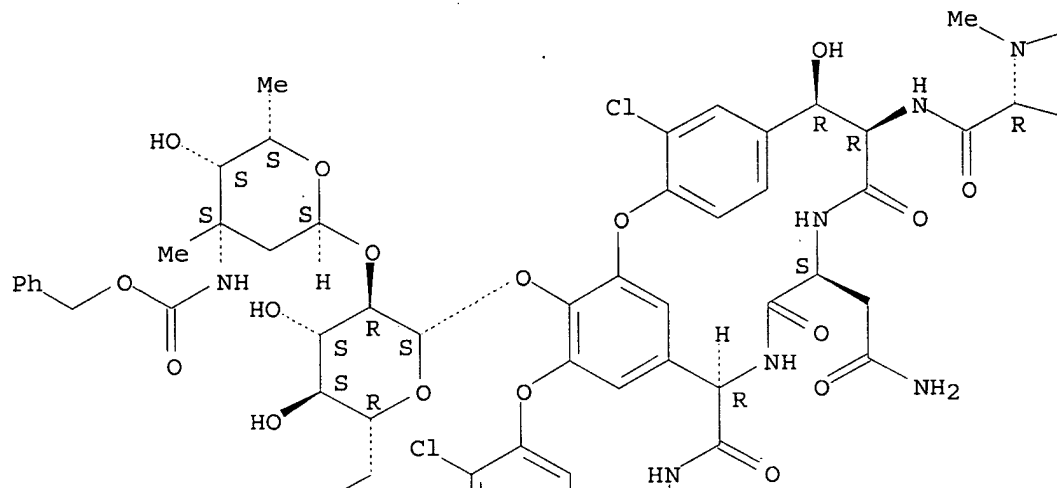
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8 ANSWER 2 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 256351-09-4 REGISTRY  
ED Entered STN: 17 Feb 2000  
CN Vancomycin, N3'',56-bis[(phenylmethoxy)carbonyl]-, phenylmethyl ester,  
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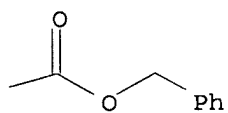
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 MF C98 H103 Cl2 N9 O30 S  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.

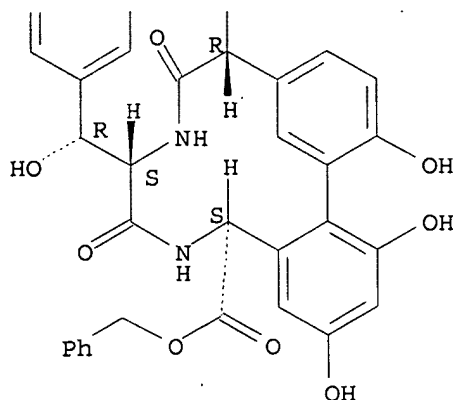
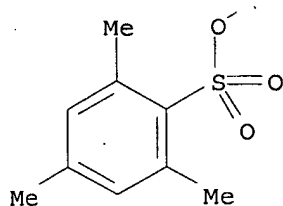
PAGE 1-A



PAGE 1-B



Bu-i



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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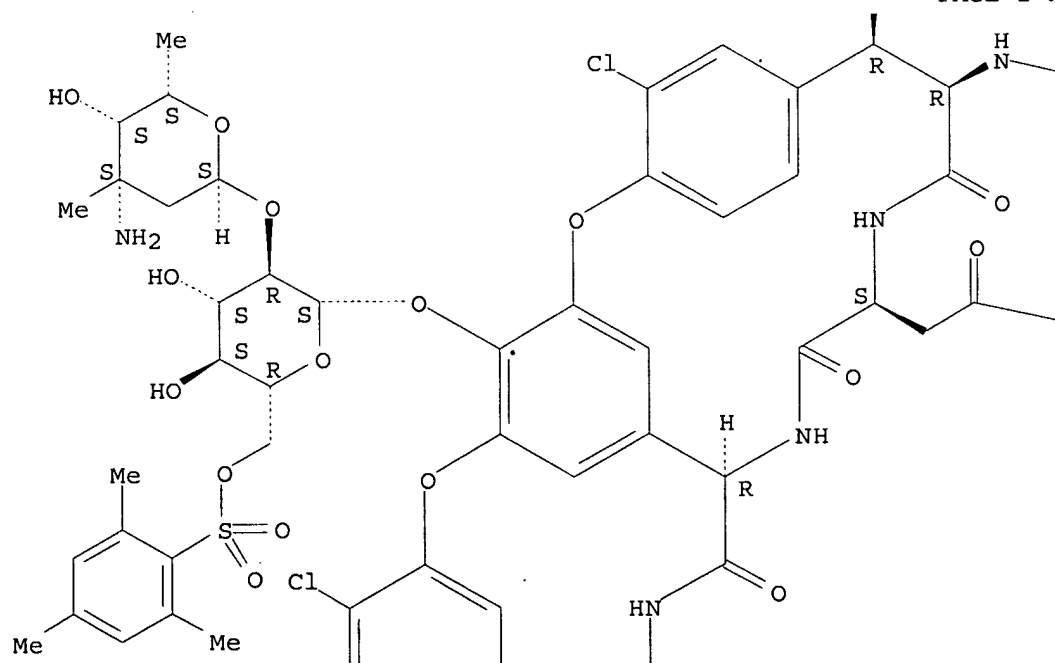
L8 ANSWER 3 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 256351-08-3 REGISTRY  
ED Entered STN: 17 Feb 2000  
CN Vancomycin, 6'-(2,4,6-trimethylbenzenesulfonate), mono(trifluoroacetate)  
(salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C75 H85 Cl2 N9 O26 S . C2 H F3 O2  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

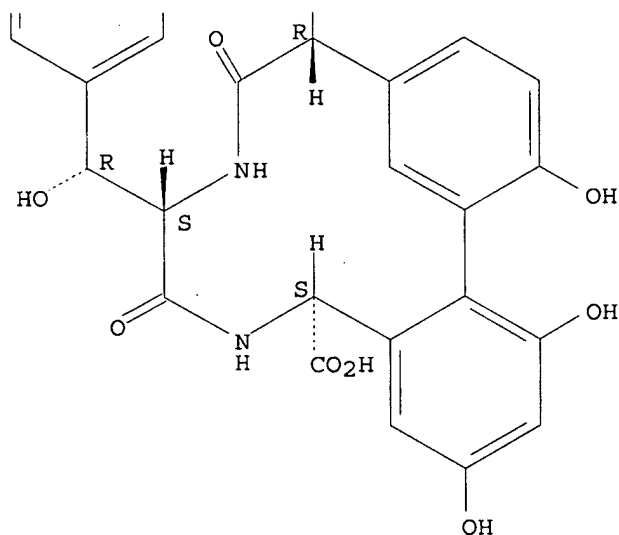
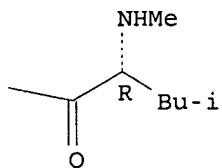
CM 1

CRN 256350-16-0  
CMF C75 H85 Cl2 N9 O26 S

Absolute stereochemistry.



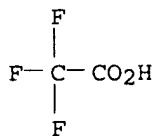




CM 2

CRN 76-05-1

CMF C2 H F3 O2

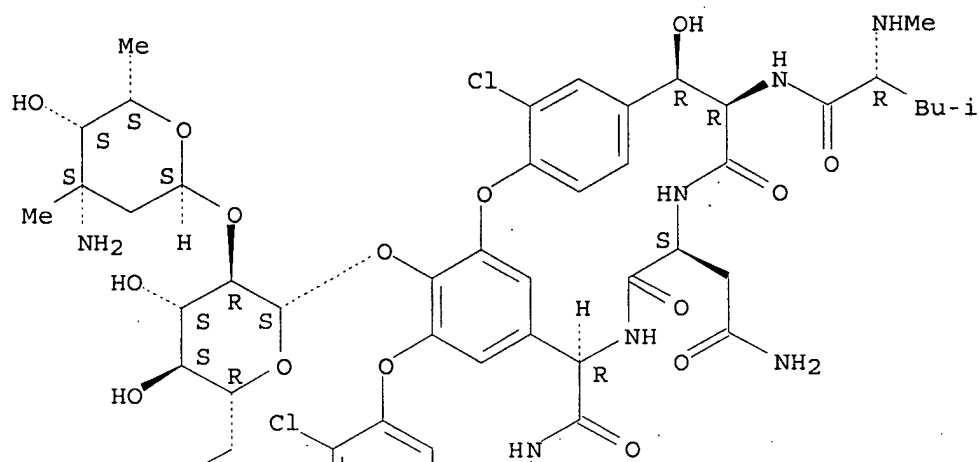


1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

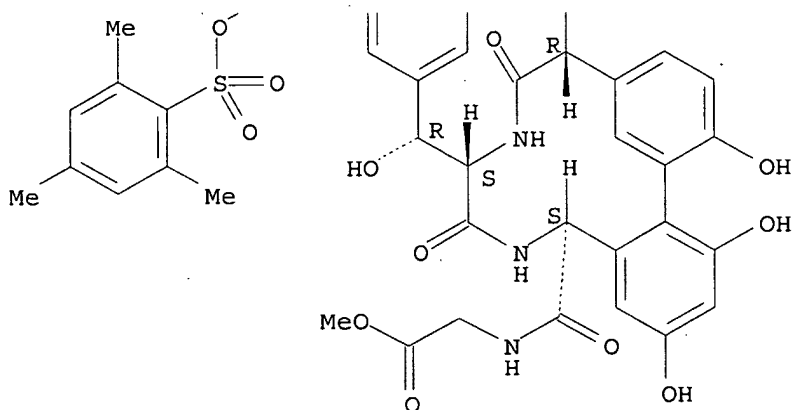
L8 ANSWER 4 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 256351-00-5 REGISTRY  
 ED Entered STN: 17 Feb 2000  
 CN Vancomycin, 26-decarboxy-26-[[[(2-methoxy-2-oxoethyl)amino]carbonyl]-, 6'-(2,4,6-trimethylbenzenesulfonate) (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C78 H90 Cl2 N10 O27 S  
 SR CA

Absolute stereochemistry.

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\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

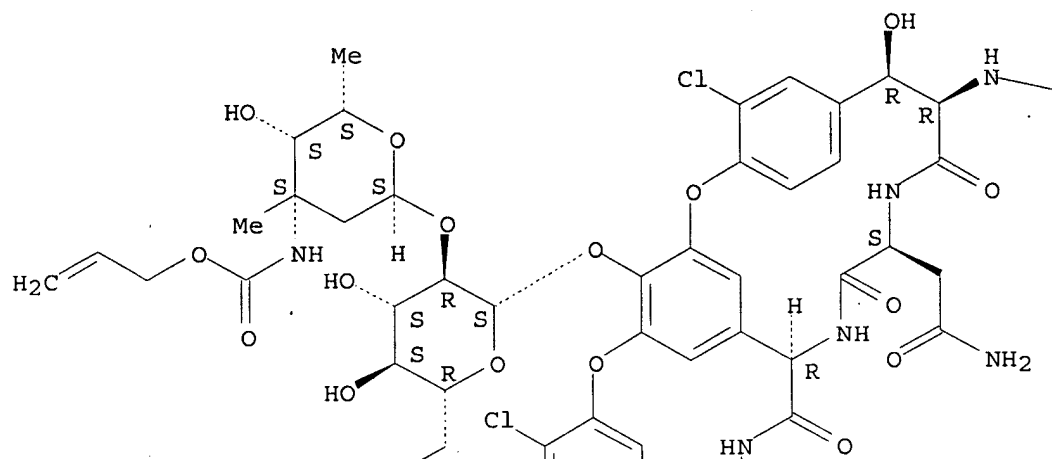
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8 ANSWER 5 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 256350-95-5 REGISTRY  
ED Entered STN: 17 Feb 2000  
CN Vancomycin, 26-decarboxy-26-[[[(2-methoxy-2-oxoethyl)amino]carbonyl]-  
N3'',56-bis[(2-propenyloxy)carbonyl]-, 6'-(2,4,6-  
trimethylbenzenesulfonate) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH

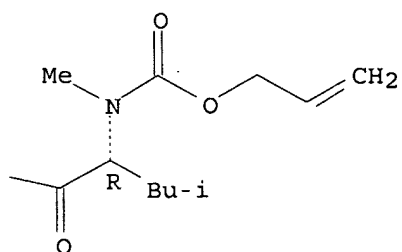
MF C86 H98 Cl2 N10 O31 S  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

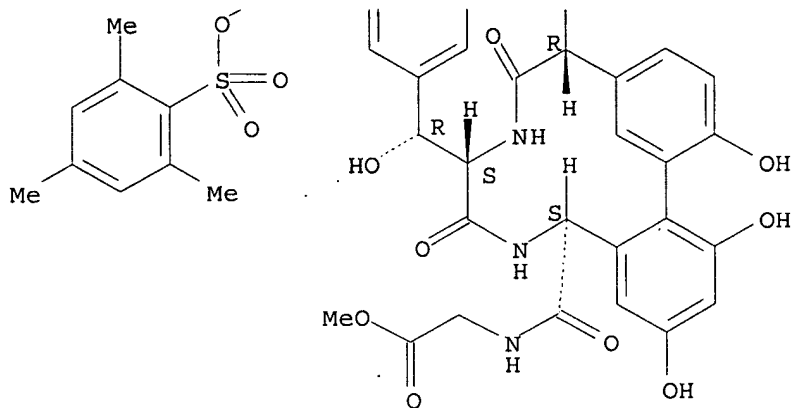
Absolute stereochemistry.

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PAGE 1-B





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

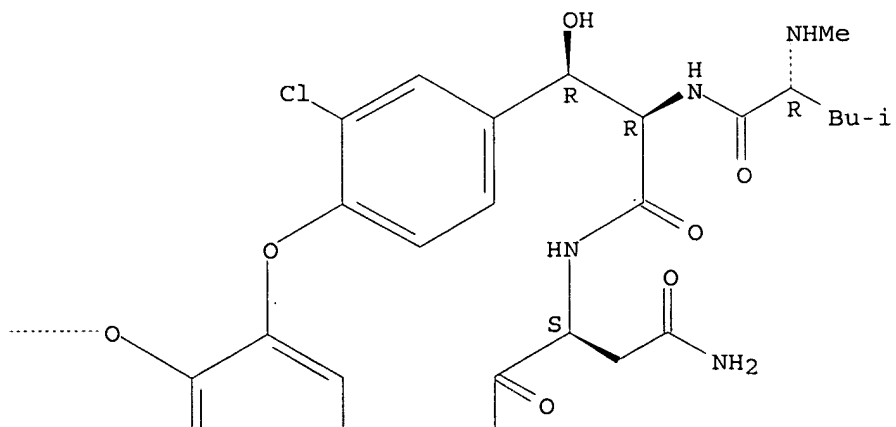
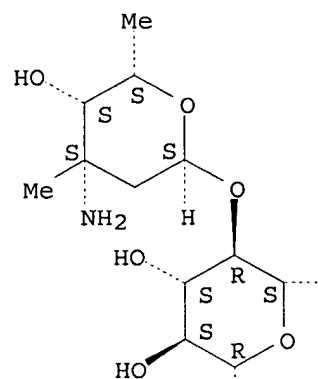
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L8 ANSWER 6 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 256350-24-0 REGISTRY  
ED Entered STN: 17 Feb 2000  
CN Vancomycin, 6'-deoxy-6'-[(2-pyrenylsulfonyl)oxy]-, mono(trifluoroacetate)  
(salt) (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C82 H83 Cl2 N9 O26 S . C2 H F3 O2  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

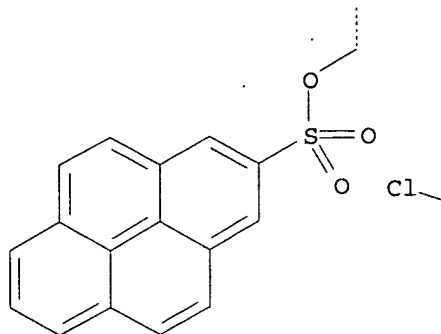
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CRN 256350-23-9  
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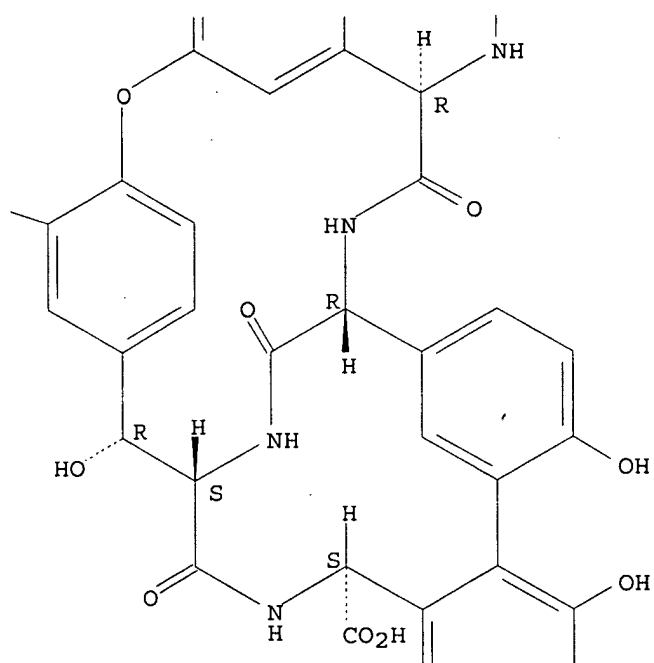
Absolute stereochemistry.



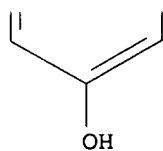
PAGE 2-A



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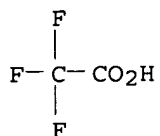
PAGE 3 - B



CM 2

CRN · 76-05-1

CMF C2 H F3 O2

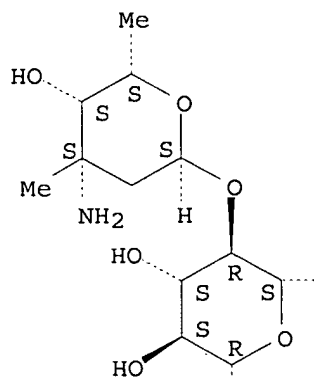


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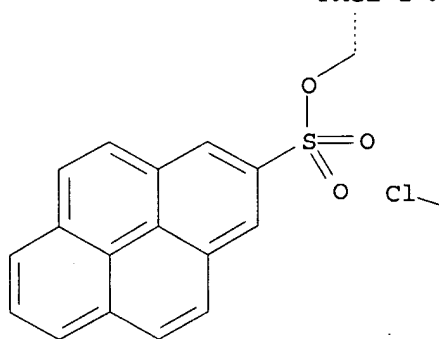
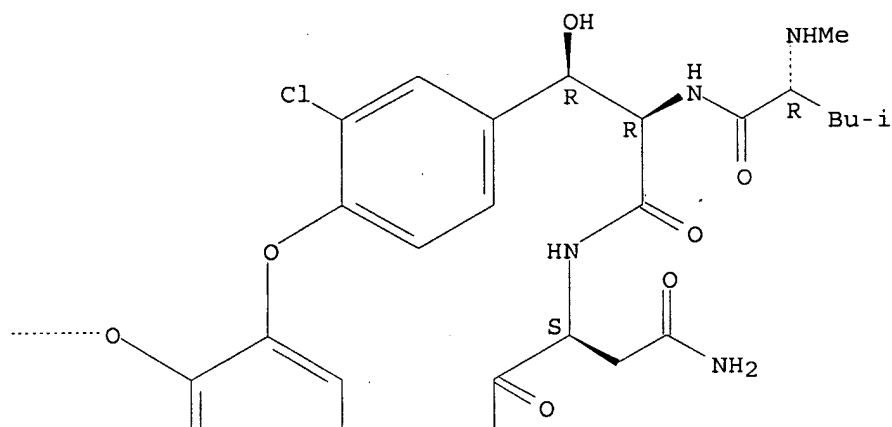
L8 ANSWER 7 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 256350-23-9 REGISTRY  
ED Entered STN: 17 Feb 2000  
CN Vancomycin, 6'-deoxy-6'-[(2-pyrenylsulfonyl)oxy] - (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C82 H83 Cl2 N9 O26 S  
CI COM  
SR CA

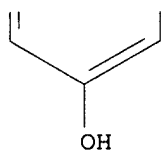
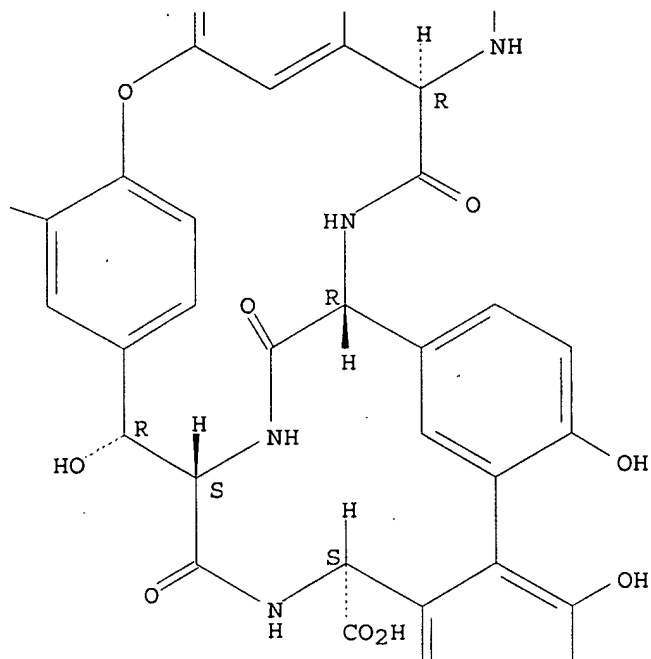
Absolute stereochemistry.

PAGE 1-A









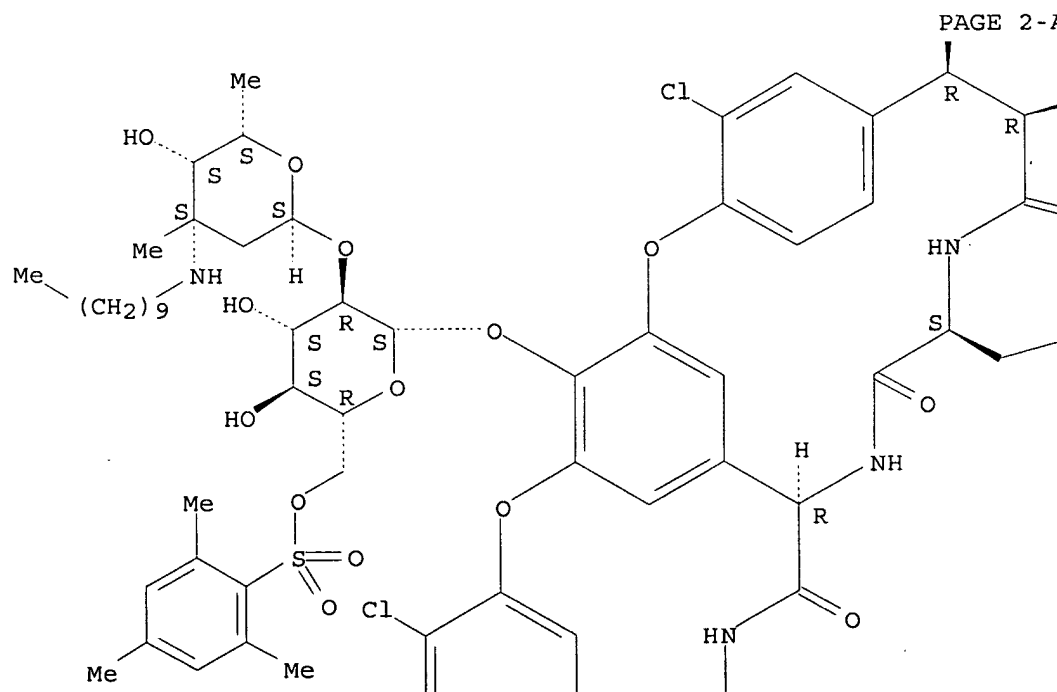
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

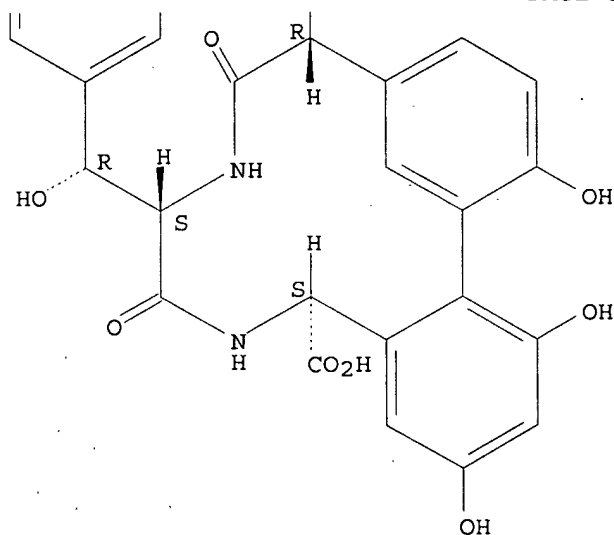
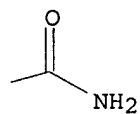
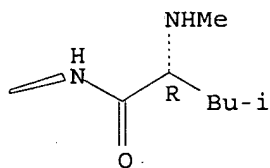
L8 ANSWER 8 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 256350-20-6 REGISTRY  
 ED Entered STN: 17 Feb 2000  
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 , mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C85 H105 Cl2 N9 O26 S . C2 H F3 O2  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 256350-19-3  
 CMF C85 H105 Cl2 N9 O26 S

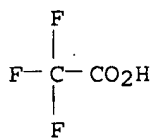
Absolute stereochemistry.





CM 2

CRN 76-05-1  
CMF C2 H F3 O2



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8 ANSWER 9 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 256350-19-3 REGISTRY  
ED Entered STN: 17 Feb 2000  
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FS STEREOSEARCH  
MF C85 H105 Cl2 N9 O26 S  
CI COM

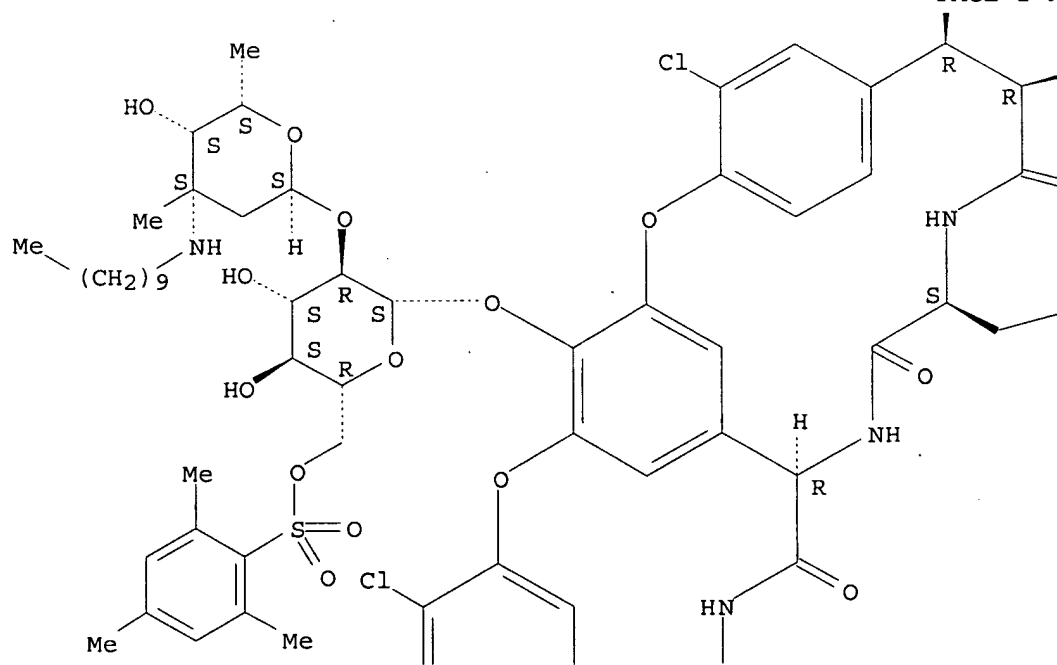
SR CA

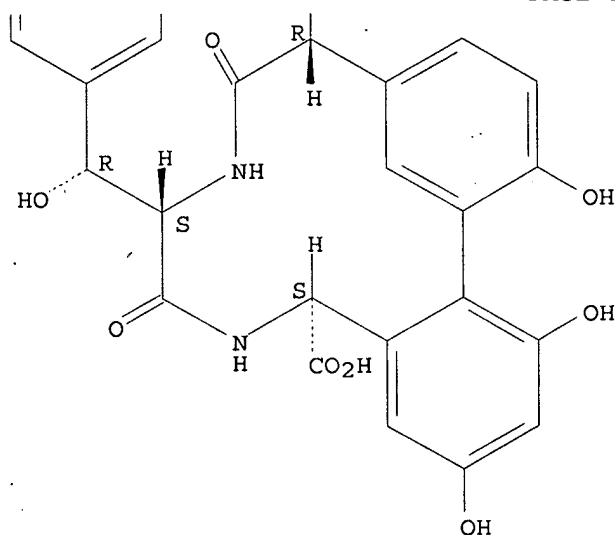
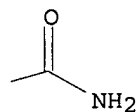
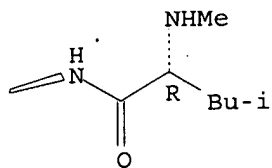
Absolute stereochemistry.

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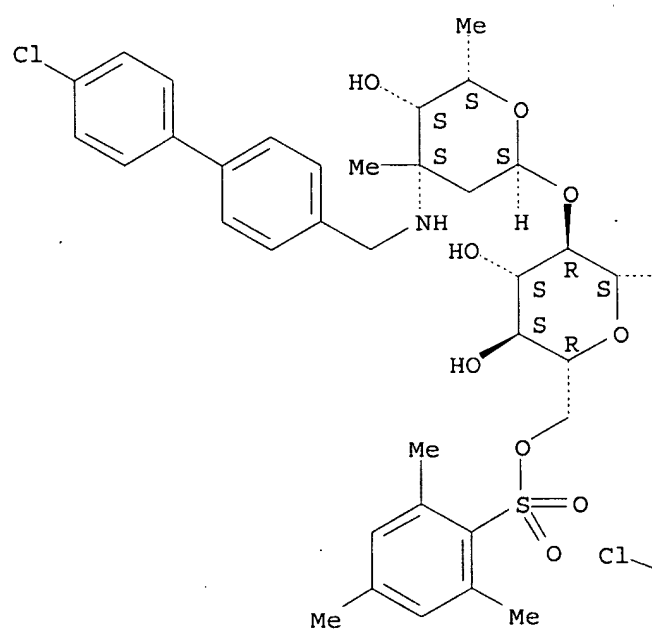
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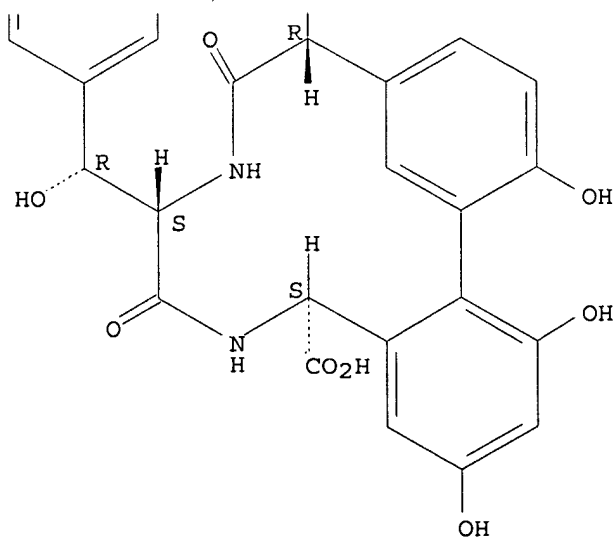
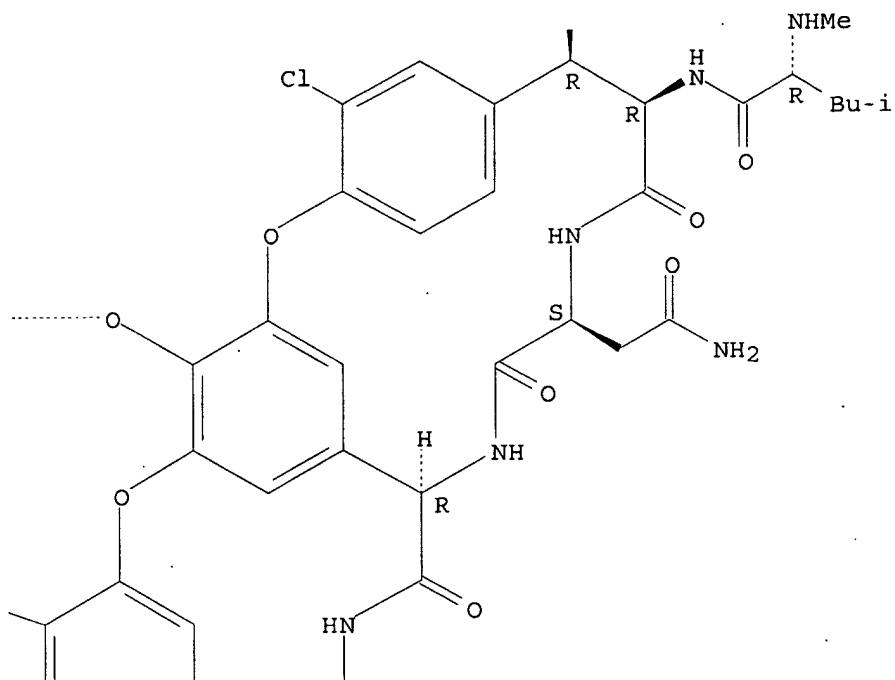
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 RN 256350-18-2 REGISTRY  
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 [[[2,4,6-trimethylphenyl)sulfonyl]oxy]-, mono(trifluoroacetate) (salt)  
 (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C88 H94 Cl3 N9 O26 S . C2 H F3 O2  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

CM 1

CRN 256350-17-1  
 CMF C88 H94 Cl3 N9 O26 S

Absolute stereochemistry.

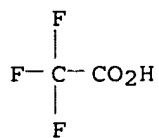




CM 2

CRN 76-05-1

CMF C2 H F3 O2





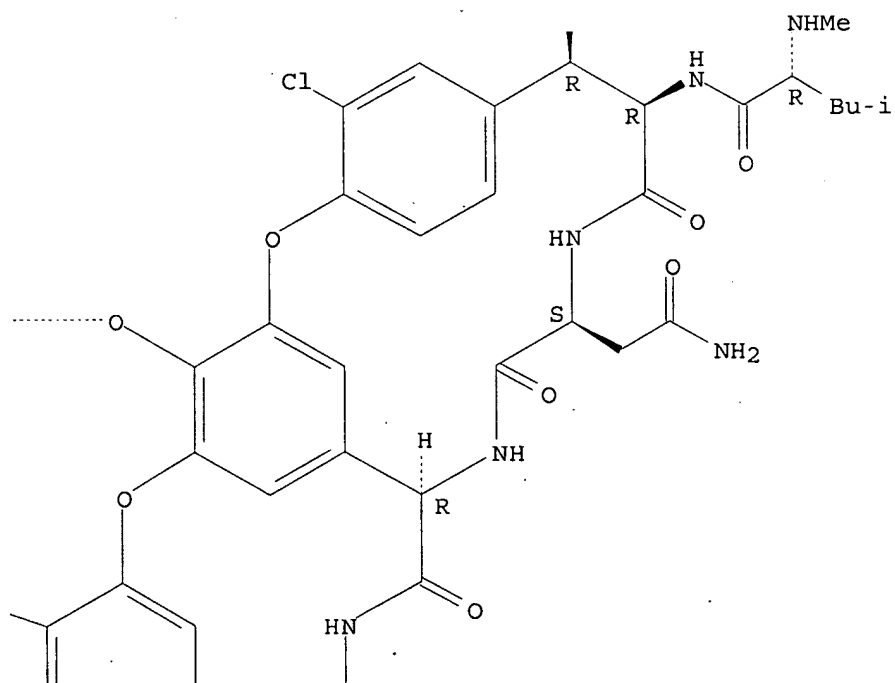
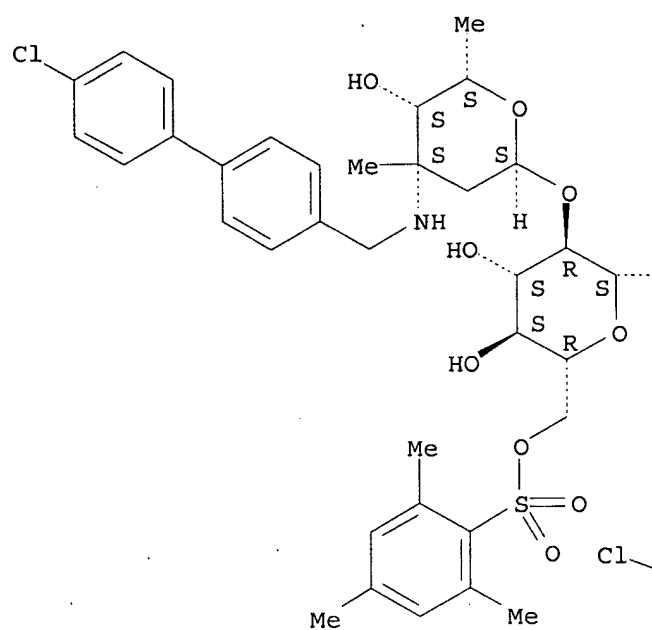
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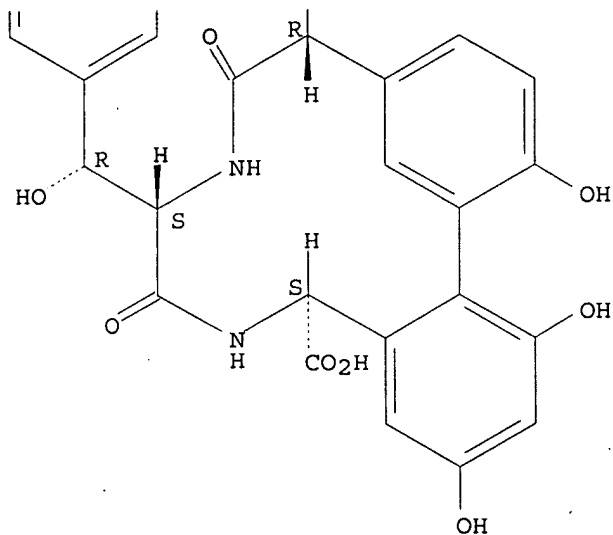
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ED Entered STN: 17 Feb 2000  
CN Vancomycin, N3''-[(4'-chloro[1,1'-biphenyl]-4-yl)methyl]-6'-deoxy-6'-  
[[[(2,4,6-trimethylphenyl)sulfonyl]oxy]- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C88 H94 Cl3 N9 O26 S  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

Absolute stereochemistry.

PAGE 1-B

OH  
0



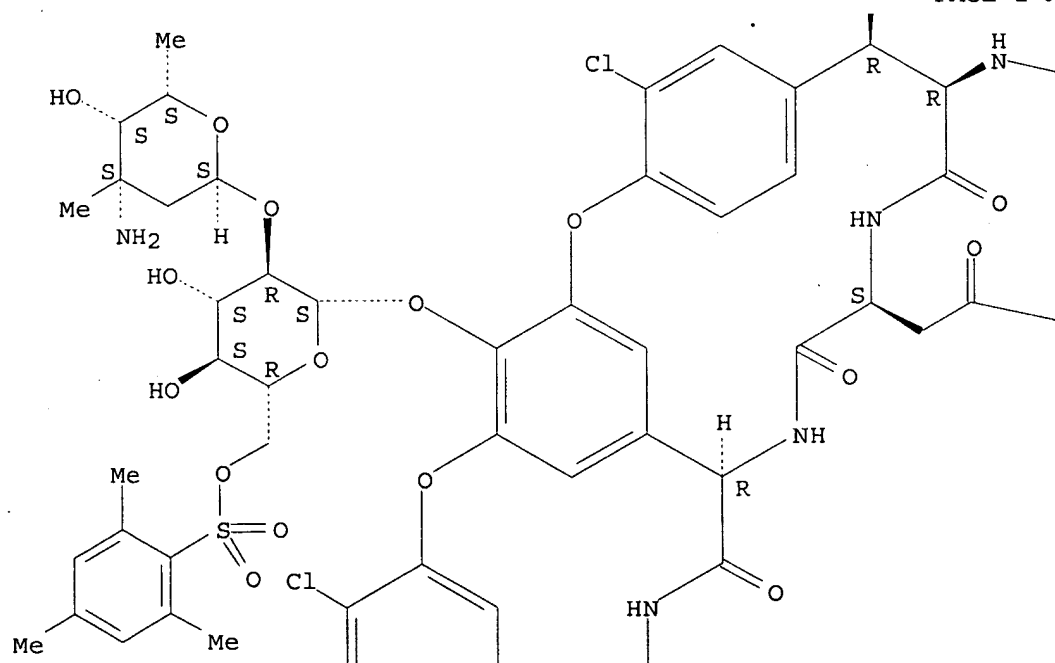


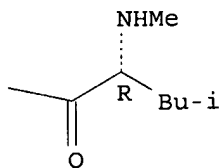
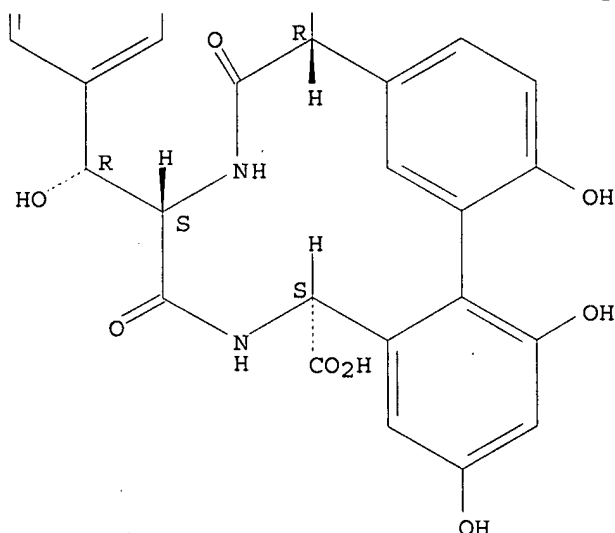
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2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L8 ANSWER 12 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN
RN 256350-16-0 REGISTRY
ED Entered STN: 17 Feb 2000
CN Vancomycin, 6'-deoxy-6'-[[[(2,4,6-trimethylphenyl)sulfonyl]oxy]- (9CI) (CA
INDEX NAME)
FS STEREOSEARCH
MF C75 H85 Cl2 N9 O26 S
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SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPAT2, USPATFULL
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Absolute stereochemistry.



—NH<sub>2</sub>

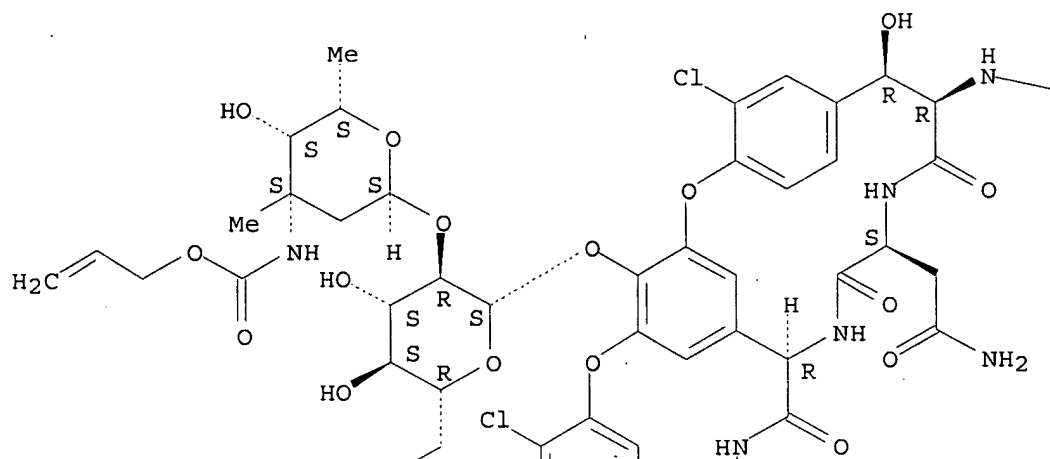
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

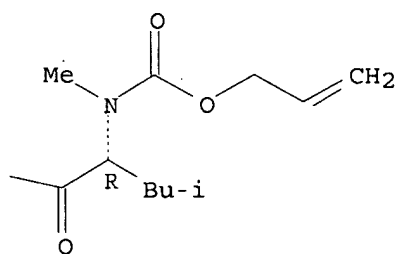
L8 ANSWER 13 OF 13 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 256349-88-9 REGISTRY  
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 6'-(2,4,6-trimethylbenzenesulfonate) (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C86 H97 Cl2 N9 O30 S  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT, USPAT2, USPATFULL

Absolute stereochemistry.

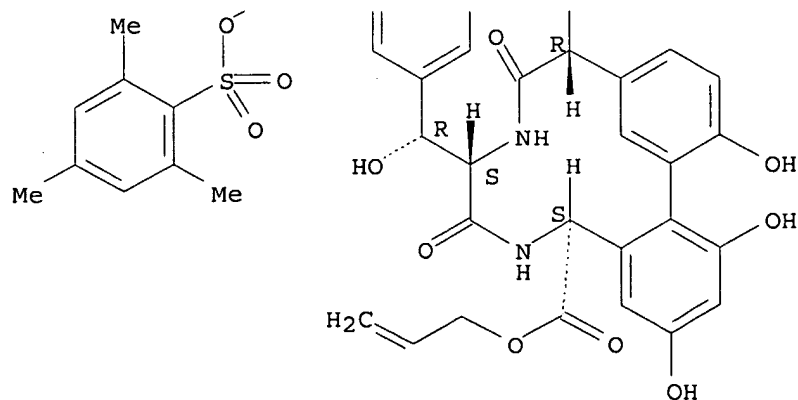
PAGE 1-A



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PAGE 2-A



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his

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FILE 'REGISTRY' ENTERED AT 15:55:53 ON 12 APR 2007

L1 STRUCTURE UPLOADED  
L2 0 S L1 SSS SAM  
L3 0 S L1 SSS FUL  
L4 STRUCTURE UPLOADED  
L5 12 S L4 SSS SAM  
L6 STRUCTURE UPLOADED  
L7 0 S L6 SSS SAM  
L8 13 S L6 SSS FUL

=> file uspatfull caplus  
COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 374.95     | 375.16  |

FULL ESTIMATED COST

FILE 'USPATFULL' ENTERED AT 16:07:16 ON 12 APR 2007  
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 16:07:16 ON 12 APR 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l13

L13 NOT FOUND

The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s l8

L9 8 L8

=> dup rem l9

PROCESSING COMPLETED FOR L9

L10 8 DUP REM L9 (0 DUPLICATES REMOVED)

=> d l10 bib ab 1-8

L10 ANSWER 1 OF 8 USPATFULL on STN

AN 2005:88018 USPATFULL

TI Glycopeptide antibiotics, combinatorial libraries of glycopeptide antibiotics and methods of producing same

IN Kahne, Daniel, Princeton, NJ, UNITED STATES

Kerns, Robert, Troy, MI, UNITED STATES

Fukuzawa, Seketsu, Tokyo, JAPAN

Ge, Min, Princeton, NJ, UNITED STATES

Thompson, Christopher, Milford, MA, UNITED STATES

PA Trustees of Princeton University (U.S. corporation)

PI US 2005075483 A1 20050407

AI US 2003-676391 A1 20031001 (10)

RLI Division of Ser. No. US 1999-353368, filed on 14 Jul 1999, GRANTED, Pat. No. US 6710168

PRAI US 1999-134839P 19990519 (60)

DT Utility

FS APPLICATION  
LREP WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR, 1650 MARKET  
STREET, PHILADELPHIA, PA, 19103  
CLMN Number of Claims: 116  
ECL Exemplary Claim: 1  
DRWN 26 Drawing Page(s)  
LN.CNT 4349

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A glycopeptide of the formula A.sub.1-A.sub.2-A.sub.3-A.sub.4-A.sub.5-A.sub.6-A.sub.7, in which each dash represents a covalent bond; wherein A.sub.1 comprises a modified or unmodified  $\alpha$ -amino acid residue, alkyl, aryl, aralkyl, alkanoyl, aroyl, aralkanoyl, heterocyclic, heterocyclic-carbonyl, heterocyclic-alkyl, heterocyclic-alkyl-carbonyl, alkylsulfonyl, arylsulfonyl, guanidiny, carbamoyl, or xanthyl; wherein each of A.sub.2 to A.sub.7 comprises a modified or unmodified  $\alpha$ -amino acid residue, whereby (i) A.sub.1 is linked to an amino group on A.sub.2, (ii) each of A.sub.2, A.sub.4 and A.sub.6 bears an aromatic side chain, which aromatic side chains are cross-linked together by two or more covalent bonds, and (iii) A.sub.7 bears a terminal carboxyl, ester, amide, or N-substituted amide group;

and wherein one or more of A.sub.1 to A.sub.7 is linked via a glycosidic bond to one or more glycosidic groups each having one or more sugar residues, at least one of the sugar residues bearing one or more substituents of the formula YXR, N.sup.+(R.sub.1).dbd.CR.sub.2R.sub.3, N.dbd.PR.sub.1R.sub.2R.sub.3, N.sup.+R.sub.1R.sub.2R.sub.3 or P.sup.+R.sub.1R.sub.2R.sub.3 in which Y is a single bond, O, NR.sub.1 or S; X is O, NR.sub.1, S, SO.sub.2, C(O)O, C(O)S, C(S)O, C(S)S, C(NR.sub.1)O, C(O)NR.sub.1, or halo (in which case Y and R are absent).

A chemical library comprising a plurality of the glycopeptides of the invention.

A method for preparing a glycopeptide by glycosylation of an aglycone derived from a glycopeptide antibiotic.

A method for preparing a glycopeptide by preparing a pseudoaglycone from a glycopeptide antibiotic and glycosylating the pseudoaglycone.

L10 ANSWER 2 OF 8 USPATFULL on STN  
AN 2004:139596 USPATFULL  
TI Glycopeptide antibiotics, combinatorial libraries of glycopeptide  
antibiotics and methods of producing same  
IN Kahne, Daniel, Princeton, NJ, UNITED STATES  
Kerns, Robert, Troy, MI, UNITED STATES  
Fukuzawa, Seketsu, Tokyo, JAPAN  
Ge, Min, Princeton, NJ, UNITED STATES  
Thompson, Christopher, Milford, MA, UNITED STATES  
PI US 2004106772 A1 20040603  
AI US 2003-631883 A1 20030731 (10)  
RLI Division of Ser. No. US 1999-353368, filed on 14 Jul 1999, GRANTED, Pat.  
No. US 6710168  
PRAI US 1999-134839P 19990519 (60)  
DT Utility  
FS APPLICATION  
LREP WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR, 1650 MARKET  
STREET, PHILADELPHIA, PA, 19103  
CLMN Number of Claims: 116  
ECL Exemplary Claim: 1  
DRWN 26 Drawing Page(s)  
LN.CNT 4343

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A glycopeptide of the formula A.sub.1-A.sub.2-A.sub.3-A.sub.4-A.sub.5-A.sub.6-A.sub.7, in which each dash represents a covalent bond; wherein A.sub.1 comprises a modified or unmodified  $\alpha$ -amino acid residue,



alkyl, aryl, aralkyl, alkanoyl, aroyl, aralkanoyl, heterocyclic, heterocyclic-carbonyl, heterocyclic-alkyl, heterocyclic-alkyl-carbonyl, alkylsulfonyl, arylsulfonyl, guanidiny, carbamoyl, or xanthyl; wherein each of A.sub.2 to A.sub.7 comprises a modified or unmodified  $\alpha$ -amino acid residue, whereby (i) A.sub.1 is linked to an amino group on A.sub.2, (ii) each of A.sub.2, A.sub.4 and A.sub.6 bears an aromatic side chain, which aromatic side chains are cross-linked together by two or more covalent bonds, and (iii) A.sub.7 bears a terminal carboxyl, ester, amide, or N-substituted amide group;

and wherein one or more of A.sub.1 to A.sub.7 is linked via a glycosidic bond to one or more glycosidic groups each having one or more sugar residues, at least one of the sugar residues bearing one or more substituents of the formula  $YXR$ ,  $N^{sup.}+(R.sub.1)=CR.sub.2R.sub.3$ ,  $N=PR.sub.1R.sub.2R.sub.3$ ,  $N^{sup.}+R.sub.1R.sub.2R.sub.3$  or  $P^{sup.}+R.sub.1R.sub.2R.sub.3$  in which Y is a single bond, O, NR, or S; X is O, NR.sub.1, S, SO.sub.2, C(O)O, C(O)S, C(S)O, C(S)S, C(NR.sub.1)O, C(O)NR.sub.1, or halo (in which case Y and R are absent).

A chemical library comprising a plurality of the glycopeptides of the invention.

A method for preparing a glycopeptide by glycosylation of an aglycone derived from a glycopeptide antibiotic.

A method for preparing a glycopeptide by preparing a pseudoaglycone from a glycopeptide antibiotic and glycosylating the pseudoaglycone.

L10 ANSWER 3 OF 8 USPATFULL on STN

AN 2004:72659 USPATFULL

TI Glycopeptide antibiotics, combinatorial libraries of glycopeptide antibiotics and methods of producing same

IN Kahne, Daniel, Princeton, NJ, United States

Kerns, Robert, Troy, MI, United States

Fukuzawa, Seketsu, Tokyo, JAPAN

Ge, Min, Princeton, NJ, United States

Thompson, Christopher, Milford, MA, United States

PA The Trustees of the University of Princeton, Princeton, NJ, United States (U.S. corporation)

PI US 6710168 B1 20040323

AI US 1999-353368 19990714 (9)

PRAI US 1999-134839P 19990519 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Celsa, Bennett

LREP Woodcock Washburn LLP

CLMN Number of Claims: 20

ECL Exemplary Claim: 1

DRWN 26 Drawing Figure(s); 26 Drawing Page(s)

LN.CNT 4017

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A glycopeptide of the formula A.sub.1--A.sub.2--A.sub.3--A.sub.4--A.sub.5--A.sub.6--A.sub.7, in which each dash represents a covalent bond; wherein A.sub.1 comprises a modified or unmodified  $\alpha$ -amino acid residue, alkyl, aryl, aralkyl, alkanoyl, aroyl, aralkanoyl, heterocyclic, heterocyclic-carbonyl, heterocyclic-alkyl, heterocyclic-alkyl-carbonyl, alkylsulfonyl, arylsulfonyl, guanidiny, carbamoyl, or xanthyl; wherein each of A.sub.2 to A.sub.7 comprises a modified or unmodified  $\alpha$ -amino acid residue, whereby (i) A.sub.1 is linked to an amino group on A.sub.2, (ii) each of A.sub.2, A.sub.4 and A.sub.6 bears an aromatic side chain, which aromatic side chains are cross-linked together by two or more covalent bonds, and (iii) A.sub.7 bears a terminal carboxyl, ester, amide, or N-substituted amide group;

and wherein one or more of A.sub.1 to A.sub.7 is linked via a glycosidic

bond to one or more glycosidic groups each having one or more sugar residues, at least one of the sugar residues bearing one or more substituents of the formula  $\text{YXR}$ ,  $\text{N}^{\text{sup.}}+(\text{R}^{\text{sub.1}})^{\text{dbd.}}\text{CR}^{\text{sub.2}}\text{R}^{\text{sub.3}}$ ,  $\text{N}^{\text{dbd.}}\text{PR}^{\text{sub.1}}\text{R}^{\text{sub.2}}\text{R}^{\text{sub.3}}$ ,  $\text{N}^{\text{sup.}}+\text{R}^{\text{sub.1}}\text{R}^{\text{sub.2}}\text{R}^{\text{sub.3}}$  or  $\text{P}^{\text{sup.}}+\text{R}^{\text{sub.1}}\text{R}^{\text{sub.2}}\text{R}^{\text{sub.3}}$  in which Y is a single bond, O,  $\text{NR}^{\text{sub.1}}$  or S; X is O,  $\text{NR}^{\text{sub.1}}$ , S,  $\text{SO}^{\text{sub.2}}$ ,  $\text{C}(\text{O})\text{O}$ ,  $\text{C}(\text{O})\text{S}$ ,  $\text{C}(\text{S})\text{O}$ ,  $\text{C}(\text{S})\text{S}$ ,  $\text{C}(\text{NR}^{\text{sub.1}})\text{O}$ ,  $\text{C}(\text{O})\text{NR}^{\text{sub.1}}$ , or halo (in which case Y and R are absent).

A chemical library comprising a plurality of the glycopeptides of the invention.

A method for preparing a glycopeptide by glycosylation of an aglycone derived from a glycopeptide antibiotic.

A method for preparing a glycopeptide by preparing a pseudoaglycone from a glycopeptide antibiotic and glycosylating the pseudoaglycone.

L10 ANSWER 4 OF 8 USPATFULL on STN

AN 2003:319226 USPATFULL

TI Glycopeptide antibacterial compounds, compositions containing same and methods of using same

IN Kim, Ronald M., Hoboken, NJ, UNITED STATES

Kahne, Daniel E., Princeton, NJ, UNITED STATES

Chapman, Kevin T., Scotch Plains, NJ, UNITED STATES

PA Princeton University, Princeton, NJ, UNITED STATES (U.S. corporation)

PI US 2003224975 A1 20031204

US 6841661 B2 20050111

AI US 2002-262858 A1 20021003 (10)

RLI Continuation of Ser. No. US 2000-574225, filed on 19 May 2000, GRANTED, Pat. No. US 6498238

PRAI US 1999-134841P 19990519 (60)

DT Utility

FS APPLICATION

LREP Robert L. Price, McDermott, Will & Emery, 600 13th Street, N.W., Washington, DC, 20005-3096

CLMN Number of Claims: 47

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1877

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to vancomycin analogs in which the vancosamine residue is substituted with a lipid-like substituent that includes a first aryl moiety and a second aryl moiety joined together by a flexible linker moiety, that is not a single bond directly joining the first aryl moiety and the second aryl moiety, and a glucose C-6 substituent modified to be other than the naturally occurring hydroxyl group, or pharmaceutically acceptable salts thereof.

L10 ANSWER 5 OF 8 USPATFULL on STN

AN 2002:340371 USPATFULL

TI Glycopeptide antibacterial compounds, compositions containing same and methods of using same

IN Kim, Ronald M., Hoboken, NJ, United States

Kahne, Daniel E., Princeton, NJ, United States

Chapman, Kevin T., Scotch Plains, NJ, United States

PA Princeton University, Princeton, NJ, United States (U.S. corporation)

PI US 6498238 B1 20021224

AI US 2000-574225 20000519 (9)

PRAI US 1999-134841P 19990519 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Riley, Jezia

LREP McDermott, Will & Emery

CLMN Number of Claims: 47

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 1575

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to vancomycin analogs in which the vancosamine residue is substituted with a lipid-like substituent that includes a first aryl moiety and a second aryl moiety joined together by a flexible linker moiety, that is not a single bond directly joining the first aryl moiety and the second aryl moiety, and a glucose C-6 substituent modified to be other than the naturally occurring hydroxyl group, or pharmaceutically acceptable salts thereof.

L10 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2001:798248 CAPLUS

DN 135:331681

TI Preparation of glycopeptide vancomycin analogs as antibacterial agents

IN Kahne, Daniel; Walker, Suzanne

PA Trustees of Princeton University, USA

SO PCT Int. Appl., 68 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | WO 2001081372   | A2   | 20011101 | WO 2001-US11040 | 20010405 |
|      | WO 2001081372   | A3   | 20020516 |                 |          |
|      | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |      |          |                 |          |
|      | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
|      | US 2002042365   | A1   | 20020411 | US 2001-818787  | 20010328 |
|      | US 6699836  | B2   | 20040302 |                 |          |
|      | AU 2001051321   | A5   | 20011107 | AU 2001-51321   | 20010405 |
| PRAI | US 2000-199382P   | P    | 20000425 |                 |          |
|      | US 2001-818787  | A    | 20010328 |                 |          |
|      | US 1999-127516P   | P    | 19990402 |                 |          |
|      | WO 2001-US11040   | W    | 20010405 |                 |          |

OS MARPAT 135:331681

AB Antibacterial glycopeptide vancomycin analogs I bearing optional modifications to the C6 position of the glucose residue attached to the amino acid four of the vancomycin heptapeptide chain, wherein X is O, S, substituted amine; R is H, substituted alkyl, aryl, aralkyl, alkanoyl, aroyl, aralkanoyl, heterocyclic, heterocyclic-carbonyl, heterocyclic-alkyl-carbonyl, alkylsulfonyl, arylsulfonyl, aminoalkyl; R1 and R2 are independently substituted alkyl, aryl, aralkyl, alkanoyl, aroyl, aralkanoyl, heterocyclic, heterocyclic-carbonyl, heterocyclic-alkyl-carbonyl, alkylsulfonyl, arylsulfonyl; substituted alkyl, acyl, CHO; Z is N3, functionalized O, N, S atoms; are disclosed. Methods of making the compds. and methods of using the compds. to treat a bacterial infection in a host are also disclosed. Thus, I [ X = NH, Z = OH, R = CH2CH2CH2CH2NH2, R1 = H, R2 = 4-[(3,4-dichlorophenyl)methoxy]benzyl] was prepared and tested in vitro for their antibacterial activity (MIC = 0.25-6.25 µg/mL).

L10 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2000:824286 CAPLUS

DN 134:5162

TI Preparation of glycopeptides as antibacterial agents

IN Kim, Ronald M.; Kahne, Daniel E.; Chapman, Kevin T.

PA Merck & Co., Inc., USA; Princeton University

SO PCT Int. Appl., 89 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|------|--|------|----------|-----------------|----------|
| PI   | WO 2000069893  | A1   | 20001123 | WO 2000-US13751 | 20000519 |
|      | W:   |      |          |                 |          |
|      | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |      |          |                 |          |
|      | RW:  |      |          |                 |          |
|      | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG   |      |          |                 |          |
|      | US 6498238   | B1   | 20021224 | US 2000-574225  | 20000519 |
|      | US 2003224975  | A1   | 20031204 | US 2002-262858  | 20021003 |
|      | US 6841661   | B2   | 20050111 |                 |          |
| PRAI | US 1999-134841P  | P    | 19990519 |                 |          |
|      | US 2000-574225   | A1   | 20000519 |                 |          |

OS MARPAT 134:5162

AB Glycopeptides I [R is a polar substituent; K-Ar1-Z-Ar2 is a lipid-like substituent where Ar1 and Ar2 are aromatic or heterocyclic groups, each optionally substituted with R1 [R1 = halo, R2, CN, NO2, CF3, fluoromethoxy, NHSO2R2, OR2, SR2, NR22, N+R23, C(O)NR22, SO2NR22, heterocyclyl, CO2R2, C(O)R2, OC(O)R2, NR2C(O)R2, or NHC(O)R2; R2 = H, aryl, alkyl, arylalkyl, (heterocyclyl)alkyl, aroyl, alkanoyl, alkanoyloxy, alkanoylamino, alkylsulfonyl, arylsulfonyl; two R2 groups may form one or more aromatic or heterocyclic rings]; K and Z are carbonyl, sulfonyl, alkylene, alkyleneoxy, oxyalkylene, alkyleneamino, aminoalkylene, alkyleneoxyalkylene, alkyleneethio, thioalkylene, alkylenecarbonyl, aminocarbonyl or carbonylamino, alkyleneaminocarbonyl, aminocarbonylalkylene, O, O2C, CO2, alkylene, alkyleneoxycarbonyl, oxycarbonylalkylene, aminosulfonyl or sulfonylamino; Z is not a single bond] were prepared as antibacterial agents. Thus, N-[4-(3,4-dichlorobenzoyloxy)benzyl]-N-glucose-C6-amino-vancomycin, prepared from vancomycin hydrochloride by a multistep sequence involving condensation with 4-(3,4-dichlorobenzoyloxy)benzaldehyde, showed MIC = 0.125 µg/mL against Staphylococcus aureus Septicemia (in vivo).

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2000:68479 CAPLUS

DN 132:122934

TI Preparation of glycopeptide antibiotics and their combinatorial libraries

IN Kahne, Daniel; Kerns, Robert; Fukuzawa, Seketsu; Ge, Min; Thompson, Christopher

PA Princeton University, USA

SO PCT Int. Appl., 159 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|    | PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|----|--|------|----------|-----------------|----------|
| PI | WO 2000004044  | A1   | 20000127 | WO 1999-US15845 | 19990714 |
|    | W:   |      |          |                 |          |
|    | AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |      |          |                 |          |
|    | RW:  |      |          |                 |          |
|    | GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,  |      |          |                 |          |

ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,  
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

|  |  |          |                 |          |
|--|--|----------|-----------------|----------|
| CA 2337103   | A1   | 20000127 | CA 1999-2337103 | 19990714 |
| AU 9949916   | A1   | 20000207 | AU 1999-49916   | 19990714 |
| EP 1095058   | A1   | 20010502 | EP 1999-933979  | 19990714 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO   |  |          |                 |          |
| JP 2002520422  | T  | 20020709 | JP 2000-560150  | 19990714 |
| NZ 509165  | A  | 20030829 | NZ 1999-509165  | 19990714 |
| US 6710168   | B1   | 20040323 | US 1999-353368  | 19990714 |
| CA 2372392   | A1   | 20001123 | CA 2000-2372392 | 20000519 |
| WO 2000069892  | A1   | 20001123 | WO 2000-US13679 | 20000519 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,<br>CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID,<br>IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,<br>MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG,<br>SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM,<br>AZ, BY, KG, KZ, MD, RU, TJ, TM |  |          |                 |          |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,<br>DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,<br>CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG   |  |          |                 |          |
| EP 1179011   | A1   | 20020213 | EP 2000-936050  | 20000519 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO   |  |          |                 |          |
| ZA 2001001208  | A  | 20011213 | ZA 2001-1208    | 20010213 |
| ZA 2001009187  | A  | 20021107 | ZA 2001-9187    | 20011107 |
| US 2004106772  | A1   | 20040603 | US 2003-631883  | 20030731 |
| US 2005075483  | A1   | 20050407 | US 2003-676391  | 20031001 |
| PRAI US 1998-150690P   | P  | 19980714 |                 |          |
| US 1999-134839P  | P  | 19990519 |                 |          |
| US 1999-353368   | A3   | 19990714 |                 |          |
| WO 1999-US15845  | W  | 19990714 |                 |          |
| WO 2000-US13679  | W  | 20000519 |                 |          |
| OS   | CASREACT 132:122934  |          |                 |          |
| AB   | <p>Glycopeptides A1-A2-A3-A4-A5-A6-A7 [A1 comprises a modified or unmodified<br/> <math>\alpha</math>-amino acid residue, alkyl, aryl, aralkyl, alkanoyl, aroyl,<br/>         aralkanoyl, heterocyclyl, heterocyclylcarbonyl, heterocyclylalkyl,<br/>         heterocyclylalkylcarbonyl, alkylsulfonyl, arylsulfonyl, guanidinyll,<br/>         carbamoyl, or xanthyl; each of A2 to A7 comprises a modified or unmodified<br/> <math>\alpha</math>-amino acid residue, where (i) A1 is linked to an amino group on<br/>         A2, (ii) each of A2, A4 and A6 bears an aromatic side chain which is<br/>         cross-linked by two or more covalent bonds, and (iii) A7 bears a terminal<br/>         carboxyl, ester, amide, or N-substituted amide group; one or more of A1 to<br/>         A7 is linked via a glycosidic bond to one or more glycosidic groups each<br/>         having one or more sugar residues, at least one of the sugar residues<br/>         bearing one or more substituents of the formula YXR, N+R1:CR2R3,<br/>         N:PR1R2R3, N+R1R2R3 or P+R1R2R3 in which Y is a single bond, O, NR1 or S;<br/>         X is O, NR1, S, SO2, C(O)O, C(O)S, C(S)O, C(S)S, C(NR1)O, C(O)NR1, or halo<br/>         (in which case Y and R are absent); R, R1, R2, and R3 are H, alkyl, aryl,<br/>         aralkyl, alkanoyl, aroyl, aralkanoyl, heterocyclyl, heterocyclylcarbonyl,<br/>         heterocyclylalkyl, heterocyclylalkylcarbonyl, alkylsulfonyl, or<br/>         arylsulfonyl] and their pharmaceutically acceptable salts or a chemical<br/>         library comprising a plurality of the glycopeptides of the invention were<br/>         prepared for use as antibiotics. Thus, glucose-C6 modified vancomycin<br/>         derivs. were prepared and assayed for antimicrobial activity (min.<br/>         inhibitory concns. are tabulated).</p> |          |                 |          |
| RE.CNT 8   | THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD   |          |                 |          |
|  | ALL CITATIONS AVAILABLE IN THE RE FORMAT   |          |                 |          |

=> log hold

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE

ENTRY

24.57

TOTAL

SESSION

399.73

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-2.34

-2.34

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 16:11:18 ON 12 APR 2007